

**REMARKS**

The new Abstract has been submitted to bring the number of words in the Abstract to below 150 words. No new matter has been added.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-0013, under Order No. SUT-0228 from which the undersigned is authorized to draw.

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Respectfully submitted,

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## MARKED UP VERSION OF ABSTRACT

### ABSTRACT OF THE DISCLOSURE

~~————A radiographic apparatus according to this invention~~  
5 ~~rotates, together about a sectional axis, an X-ray tube on an~~  
~~X-ray tube frame surrounding the X-ray tube, and a flat~~  
~~panel type detector (FPD) on an FPD frame surrounding the~~  
~~FPD. The X-ray tube and FPD may thereby be rotated~~  
~~safely and at high speed. Thus, a dynamic sectional image~~  
10 ~~may be obtained of a moving site of interest such as the~~  
~~heart.~~

AThe radiographic apparatus according to this  
invention has a scan frame with an X-ray tube frame and a  
flat panel type detector (FPD) frame arranged therein. The  
15 X-ray tube frame surrounds an X-ray tube, and the FPD  
frame surrounds an FPD. The X-ray tube frame and FPD  
frame are rotatable together about a sectional axis. Thus,  
the X-ray tube and FPD rotate on the respective frames  
together directly about the sectional axis (for a main scan).  
20 ~~A high-speed main scan rotation is realized.~~—Further, the  
X-ray tube and FPD are rotatable together about a scan cen-  
ter axis (for an auxiliary scan). The main scan and  
auxiliary scan are combined to achieve a high-speed scan  
and improves resolution in the direction of the sectional axis,  
25 thereby obtaining a three-dimensional sectional image with

isotropic spatial resolution.—Further, through a data collection synchronized with biosignals, a three dimensional sectional image with isotropic spatial resolution may be obtained of a moving site of interest such as the heart.